Title (en)

SYSTEM FOR DETECTING DEFECTS IN THE ROUNDNESS OF RAILWAY VEHICLE WHEELS

Title (de)

SYSTEM ZUR ERKENNUNG VON DEFEKTEN IN DER RUNDHEIT VON SCHIENENFAHRZEUGRÄDERN

Title (fr)

SYSTÈME DE DÉTECTION DE L'OVALISATION DES ROUES D'UN VÉHICULE FERROVIAIRE

Publication

EP 2982566 A4 20161130 (EN)

Application

EP 14779442 A 20140401

Priority

- CO 13059934 A 20130401
- IB 2014060362 W 20140401

Abstract (en)

[origin: EP2982566A2] The present invention discloses a device for evaluating the technical condition of the tread of moving railway vehicles, especially for automated inspection of the loss of roundness of each wheel of circulating railway vehicles, in which a point of measrement is used which generates a signal proportional to rail deformation when a wheel arch passes over said point. Then the comparator system compares the measured signal with a wheel pattern without any roundness defects, which is then transmitted over a data network that associates the wheel identification information, with the wheel defect data generated by the comparator system each time the wheel passes over said measurement area.

IPC 8 full level

B61K 9/12 (2006.01)

CPC (source: EP US)

B61K 9/12 (2013.01 - EP US); **G01B 7/282** (2013.01 - US); **G01M 17/10** (2013.01 - US)

Citation (search report)

- [XYI] DE 3309908 A1 19831103 - MESSERSCHMITT BOELKOW BLOHM [DE]
- [I] DE 10241320 A1 20040318 - PIEPER SIEGFRIED [DE]
- [I] DE 1170445 B 19640521 - SIEMENS AG
- [I] EP 1207091 A1 20020522 - SIEMENS AG [DE]
- [Y] WO 8601167 A1 19860227 - HAOLLBERG KARL RUNE SOEREN
- See references of WO 2014162270A2

Cited by

CN105929025A; CN108734060A; WO2018031537A1; WO2022265908A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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